

## HyperLink Wireless 2.4 GHz to 5.8 GHz 3 dBi Reverse Polarity SMA Tri-Band Rubber Duck Wireless LAN Antenna

Model:  
HG2458RD-RSP

### Applications and Features

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#### Applications:

- **2.4 GHz - 2.5 GHz Frequency Range:**
  - ◇ 802.11b & 802.11g Access Points & Routers
  - ◇ 2.4 GHz ISM Applications
  - ◇ WiFi Systems
  - ◇ Bluetooth® Applications
  - ◇ Public Wireless Hotspots
  - ◇ Wireless Video Services
- **4.9 GHz - 5.3 GHz Frequency Range:**
  - ◇ 802.11a Access Points and Routers
  - ◇ 5.3 GHz Band Applications
  - ◇ Homeland Security
  - ◇ Public Safety Services: Fire, Police, Security
- **5.7 GHz - 5.8 GHz Frequency Range:**
  - ◇ 5.8 GHz ISM Band Applications
  - ◇ 5.8 GHz UNII Band Applications
  - ◇ WiFi Systems
  - ◇ 5.8 GHz Wireless Video Systems

#### Features:

- Superior performance
- Tri-Band operation
- Better performance than most stock AP antennas
- Flexible "Rubber Duck" antenna
- Tilt and swivel design
- RP-SMA Connector
- RoHS Compliant
- Optional Magnetic Mount Available



### Description

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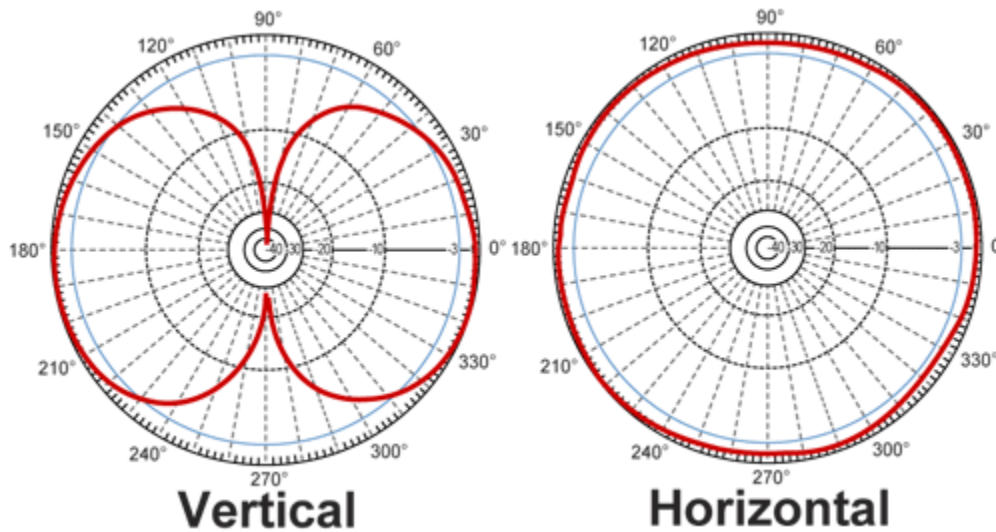
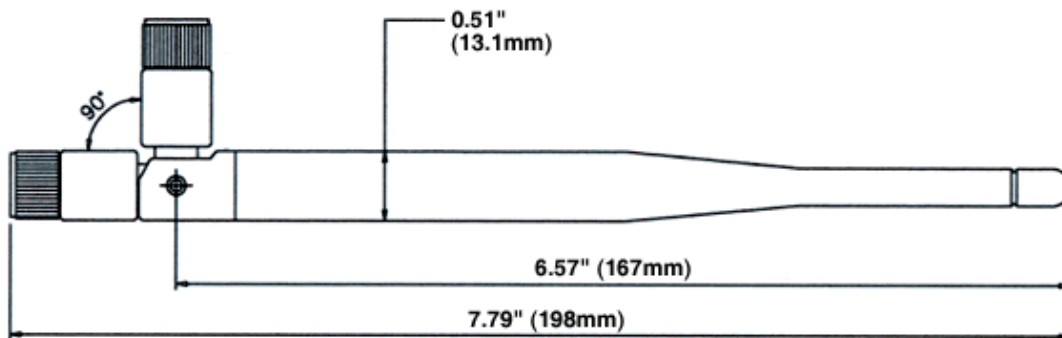
The HyperGain® Model HG2458RD is a high performance Tri-Band rubber-duck antenna designed to operate from 2.4 GHz to 2.5 GHz, 4.9 GHz to 5.3 GHz and 5.7 GHz to 5.8 GHz. The Multi-Band design of this antenna eliminates the need to purchase different antennas for each frequency. The Tri-Band design of this antenna helps reduce interference and noise since it will reject out-of-band signals between the three bands of this antenna. This omnidirectional "rubber-duck" antenna provides broad coverage and 3 dBi gain.

Measuring 7.79" long, this flexible antenna features a tilt-and-swivel reverse-polarity SMA connector, allowing them to be used vertically, at a right angle, or any angle in-between. It is suitable as a replacement RF antenna for many access points and radios that are equipped with reverse-polarity SMA connectors including D-Link®, Linksys® WET11 and others.

**Application Note:** This antenna is not for use with U.S. Robotics® RP-SMA equipped devices.

**Specifications**

|                              |   |
|------------------------------|---|
| <b>Frequency Ranges</b>      | 2400-2500 MHz, 4900-5350 MHz<br>5725-5850 MHz |
| <b>Gain</b>                  | 3 dBi   |
| <b>Horizontal Beam Width</b> | 360°  |
| <b>Impedance</b>             | 50 Ohm  |
| <b>Max. Power</b>            | 50W   |
| <b>VSWR</b>                  | < 2:1   |
| <b>Weight</b>                | .96 oz. (27 g)                                |
| <b>Length</b>                | 7.79" (198 mm)                                |
| <b>Max. Diameter</b>         | 0.51" (13.1 mm)                               |
| <b>Finish</b>                | Matte Black                                   |
| <b>Connector</b>             | Reverse Polarity SMA Plug                     |
| <b>Operating Temperature</b> | -40° C to 60° C (-40° F to 140° F)            |
| <b>Polarization</b>          | Vertical                                      |
| <b>Flame Rating</b>          | UL 94HB                                       |
| <b>RoHS Compliant</b>        | Yes   |



**Guaranteed Quality**

This product is backed by L-com's Limited Warranty